AFMS Energy Management Update

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Overview

- Objectives
- Air Force Medical Facility Energy Guide
- Energy Policy Act
- Energy Savings Performance Contracts (ESPC)
- Energy Conservation Investment Program (ECIP)
- Energy Star
- Basic Energy Strategy
- Future Actions

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Objectives

- Save money
- Provide Facility Managers avenues for improving energy efficiency in their MTFs
- Demonstrate the AFMS in making progress in meeting federal energy mandates

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AF Medical Facility Energy Guide

- Energy management guidelines for AF MTFs
  - Background info on federal energy programs and mandates
  - Practical ideas for reducing energy consumption
  - General concepts for energy conservation projects (ECPs)
- Development of guide was funded by AFCESA
- Electronic version distributed to all facility managers; also located on website

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Energy Policy Act

- 1992 Legislation/Executive Order
  - DoD largest single user of energy in Govt
  - Mandates reduction of energy consumption in federal facilities
    - “Green” designs, alternative fuels, ECPs, new technologies, etc,
  - Shifting energy reduction milestones
  - Bottomline: Federal facilities must demonstrate progress towards energy conservation

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Energy Savings Performance Contract (ESPC)

- Major CE strategy to meet Energy Policy Act mandates
- Contractor identifies, finances, designs, constructs, then validates energy conservation projects (ECPs)
- Contractor reimbursed through ECP savings
- Flawed process for AF MTFs
  - Single contractor process facilitates overpricing/overscoping
  - Insufficient government oversight of contract
  - Long term contracts hamper future MDG flexibility
- AF/SGM formally withdrew AFMS from ESPC in 2002
- Bottomline: No new ESPCs

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Energy Star

- Government backed program assisting organizations and individuals achieve superior energy efficiency
- Voluntary labeling program designed to identify and promote energy efficient equipment and facilities
- TMA backing program for DoD medical facilities
- Energy Star certification for the top 25% energy efficient civilian and government hospitals
  - Factors: SF, occupancy type, energy consumption
  - Indoor environmental assessment
- Currently hospitals only; criteria for clinics forthcoming
- AFMS behind Army and Navy medical services in submitting Energy Star candidates

Energy Conservation Investment Program (ECIP)

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- Small MILCON like program that provides funding for ECPs
- Very limited pool of money although funding levels increasing
- To submit project for ECIP funding:
  - DD 1391
  - SIR (savings to investment ratio)
  - Projected annual energy savings
- Projects prioritized and funded based on:
  - Cost
  - SIR
  - Annual energy savings

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Basic Energy Strategy

- Assess MTFs
- Identify ECMs/ECPs
- Develop ECPs
- Fund ECPs
- Execute ECPs
- Validate Energy Savings
- Document Results
- Recognize Progress

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Future Actions

- Establish Medical Energy Services Contract
  - Energy consultations across the spectrum
  - Use existing AFCEE IDIQ contracting vehicle
- Expand quantity/quality of energy assessments
  - Establish baselines of consumption
  - Identify ECMs/develop ECPs
  - Determine Energy Star eligibility
- Document previously undocumented successes
- Submit projects for ECIP and “Optimization” funding
- Expand Energy Star certifications

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Questions

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